

Date: Wed, 17 Aug 94 15:29:57 PDT  
From: Info-Hams Mailing List and Newsgroup <info-hams@ucsd.edu>  
Errors-To: Info-Hams-Errors@UCSD.Edu  
Reply-To: Info-Hams@UCSD.Edu  
Precedence: Bulk  
Subject: Info-Hams Digest V94 #927  
To: Info-Hams

Info-Hams Digest                      Wed, 17 Aug 94                      Volume 94 : Issue    927

Today's Topics:

    Bottle Verticals (was Re: Where did Beverage come from?)  
        Dielectric Constant of Magnet Wire Insulation???  
            HDN Releases  
                Help with Drake SPR-4  
            Info on UK operation needed.  
                Kenwood DSP-100 Info  
            QRP IOTA STATION...repost  
                Radio & Intl Travel  
            Recommendations for Hamfest  
                Request e-mail information  
                    RTTY in V31...  
                Slow Code idea by Wayne  
                TNC construction article  
            VK2WI Weekly News, 31st January, 1994  
            Yaesu FT-530 vs Icom W21AT - opinions

Send Replies or notes for publication to: <Info-Hams@UCSD.Edu>  
Send subscription requests to: <Info-Hams-REQUEST@UCSD.Edu>  
Problems you can't solve otherwise to brian@ucsd.edu.

Archives of past issues of the Info-Hams Digest are available  
(by FTP only) from UCSD.Edu in directory "mailarchives/info-hams".

We trust that readers are intelligent enough to realize that all text  
herein consists of personal comments and does not represent the official  
policies or positions of any party. Your mileage may vary. So there.

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Date: 17 Aug 1994 05:19:34 GMT  
From: ihnp4.ucsd.edu!agate!howland.reston.ans.net!gatech!udel!news.sprintlink.net!  
indirect.com!grizzarv@network.ucsd.edu  
Subject: Bottle Verticals (was Re: Where did Beverage come from?)  
To: info-hams@ucsd.edu

Herb Duncan (m24501@mwunix.mitre.org) wrote:

: I remember reading somewhere that the term originated when the low-bands  
: were popular and some amateur radio antenna builders used to place a glass  
: beverage bottle at the base of a tall vertical radiator as an insulator  
: from ground.

Glass bottles work quite well as insulators for vertical antennas - until  
the wind starts blowing. If the antenna is guyed well enough to stay up  
in the wind, the force will telescope the neck of the bottle into the  
bottle and the antenna will come down anyway.

Wine bottles work better than beer bottles because the area around the  
neck is thicker. I never tried a cushion between the radiator and the  
bottle to see if that made a difference.

One other thing - I learned the hard way that a vertical made this way  
without a DC path to ground will transmit like gangbusters, but the  
corona noise on receive will make your radio essentially useless for  
about 10 seconds out of every minute. It sounds like a motor starting up  
at about 3/4 speed for 6 seconds (and about S-6) then 4 seconds at full  
speed (and S-9+30 dB) then it goes away and the receiver recovers.

de kg7yy

-----  
Date: Mon, 15 Aug 1994 20:08:06 GMT  
From: portal.com!sdd.hp.com!col.hp.com!srigenprp!alanb@decwrl.dec.com  
Subject: Dielectric Constant of Magnet Wire Insulation???  
To: info-hams@ucsd.edu

John Klingelhoeffer (johnk@ATK.COM) wrote:

: I am attempting to generate a table of characteristic impedances of parallel  
: magnet wires for use in winding transmission line transformers. ...

: It is pretty easy to calculate the characteristic impedance of a parallel  
: line transmission line if the separation and dielectric constant are known,

I hope you are going to confirm your calculations with actual measurements.  
I suspect the impedance is a strong function of how tightly the wires are  
wrapped which would be hard to calculate theoretically. Rather than doing  
the calculations, why not just wrap a few, measure them and do a  
heuristic curve fit?

AL N1AL

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Date: Sat, 13 Aug 1994 22:42:09  
From: ihnp4.ucsd.edu!agate!howland.reston.ans.net!cs.utexas.edu!convex!  
seas.smu.edu!rwsys!ocitor!FredGate@network.ucsd.edu  
Subject: HDN Releases  
To: info-hams@ucsd.edu

The following files were processed Saturday 13-08-94 at 1:124/7009

HAMANT               HAM: Antenna design and calculation programs

-----  
MSSOF42E.ZIP    274,499 Meteor-scatter v4.2e - by OH5IY - predicts ope

-----  
274,499        bytes in 1    file(s)

HAMDEMO            HAM: Amateur Radio Software Demo Programs

-----  
SAT04AUG.ZIP    108,099 Expires Nov. 4,1994 - Sat. Positioning - DL3HRT/DL3HZM

-----  
108,099        bytes in 1    file(s)

HAMNEWS            HAM: Ham Bulletins and Newsletters

-----  
ARLD050.ZIP       3,192 08/12/94 ARRL DX Bulletin - DX News  
ARLP033.ZIP       2,061 ARRL Propagation Bulletin 08/12/94 - Correction to  
                  ARLP031.Zip  
ARLX024.ZIP       1,945 08/12/94 - FAR scholarships awarded  
BARTG020.ZIP       4,384 BARTG Bulletin 020 August, 1994  
G7OBS.ZIP         1,790 G7OBS Special Event Schedule 8/94  
RTDX0812.ZIP       3,355 RTTY DX Bulletin 08/12/94  
VK2-0814.ZIP       2,390 VK2 WICEN News 08/14/94

-----  
19,117        bytes in 7    file(s)

HAMPACK            HAM: Packet Communication programs

-----  
FPAC241.ZIP       200,681 FlexPac 2.41 for OS/2 by DB5SH  
GP2\_101.ZIP       148,741 Grapic Packet for OS/2 - German DOCS

-----  
349,422        bytes in 2    file(s)

HAMSAT             HAM: Satellite tracking and finding programs

-----  
OBS224.ZIP        6,475 AmSat Orbital Elements #224 08/12/94  
SPC0815.ZIP       4,115 Space News 08/15/94

-----  
10,590 bytes in 2 file(s)

Total of 761,727 in 13 file(s)

\* Origin: Ham Distribution Net Coordinator - ab5sm@netcom.com (1:124/7009)

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Date: 17 Aug 1994 11:52:01 -0400  
From: news1.digex.net!digex.net!not-for-mail@uunet.uu.net  
Subject: Help with Drake SPR-4  
To: info-hams@ucsd.edu

In article <9.1867.4926.0NEC3C56@dkb.dk>,  
Graham Davies <graham.davies@dkb.dk> wrote:  
>I have the opportunity to purchase a Drake SPR-4 Shortwave receiver.  
>Can anyone give me some info on this model. I'm new to DX'ing. My  
>primary interest is Fax, RTTY, Packet and listening to the big  
>European SW stations.  
>  
>The ad' states that it's range is 200khz to 23Mhz am/cw/lsb/usb.  
>  
>What about 23Mhz to 30Mhz, is this important?  
>If so, can it be modified to receive 23-30Mhz?  
>How old is this model?  
>What would be a fair price to pay for this unit?  
>  
>Any help would be greatly appreciated.  
>

I have no experience with this radio myself but can give you some  
second hand information from a mail list discussion:

This is a fairly early HF all solid-state radio. Probably built in  
mid to late 1970's.

Drake equipment is generally quite good and all the comments on this  
unit were favorable. It was built before synthesizers, so it is all  
analog.

The radio tunes in 500kHz segments and needs a crystal for each segment.  
You should ask what crystals the unit has. There was also an outboard  
accessory available that replaced the crystals and allowed tuning  
all segments.

It should tune up to 30MHz if you have the right crystals for it.

I am not sure exactly what kind of filtering it used; ask about filters that it has. It is important to have the right filter for the type of signal you want to receive.

Prices mentioned were in the US\$200 - US\$300 range.

Gary

-----  
Date: Wed, 17 Aug 1994 14:30:50 GMT  
From: world!eac@uunet.uu.net  
Subject: Info on UK operation needed.  
To: info-hams@ucsd.edu

In <portnoyCuAxH5.A21@netcom.com> portnoy@netcom.com (Elan Portnoy) writes:

>I'm a US amateur that may spend a year or so in the UK.  
>I'm not familiar with the necessities for obtaining permission.

Hello,

Having just gone through the process for the UK I can give you some advice.

There are two types of temporary license, a two month one where no fixed address is given, i.e. mobile during a holiday (US translation: Vacation Trip) and a twelve month one where a main station address is supplied, i.e. long stay. Neither license is renewable and no UK call is assigned. If you are a US ham then you need a Conditional/General License or above.

A few years ago I would have suggested getting the forms from the ARRL. I appreciated the service so I joined ARRL for a few years. However this year I rang up and was told after the person found out that I was not an ARRL member that providing the forms is "a ARRL Member Service and members get upset if non-members get it for free". I was allowed to send a SASE to the league and get the information so they saved 29 cents in postage and lost a year's worth of dues. It is a wonder members do not complain about non-members accessing ARRL's info server. So if you are not a ARRL member then expect some flack and if the ARRL is in a good mood maybe you can send in a SASE. Otherwise go to the RA or RSGB.

The application has the address and information you need. The main problem is that you need a 15 pound fee as either a British Cheque, British Postal Order, or International Money Order. The easiest way is if you have a friend in the UK to send the application to him and have him send a check with the

remailed application. The next cheapest is to send an international money order. The problem is that a international money order is issued by paying the fee at the local post office and sending a application to Saint Louis where the International Money Order is issued. I have run into numerous problems with this method as the application and money order do not seem to arrive at the same time. The most expensive is to go to a bank and get a International Banker's Draft in Pounds Sterling.

To dial the following numbers in the US: dial the international access code, usually 011, followed by the Country Code for the UK, 44, then the number given without the leading zero. So (0272) 258333 would be dialed as 011+44+272+258333.

The Radiocommunications Agency regulates amateur radio in the UK, but the issuing of licenses is handle by a private contractor. So you send the application to:

The Radio Licensing Centre  
SSL  
P.O. Box 884  
Bristol BS99 5LF  
England

The telephone is (0272) 258333

You could get the application from the RA. Here is the infomation I have:

Amateur Radio Licensing Section  
Radiocommunications Agency  
Waterloo Bridge House  
Waterloo Road  
London SE1 8UA  
England

The telephone is (071) 215-2217 -or- (071) 215-2316 (answerphone)

RSGB info:

RSGB  
Lambda House  
Cranborne Road  
Potters Bar, Herts EN6 3JE  
England

Telephone (0707) 659015 Fax (0707) 645105

73 Eric eac@world.std.com

-----  
Date: 16 Aug 1994 19:44:55 GMT  
From: news.cerf.net!nntp-server.caltech.edu!netline-fddi.jpl.nasa.gov!  
elroy.jpl.nasa.gov!swrinde!howland.reston.ans.net!europa.eng.gtefsd.com!  
sundog.tiac.net!usenet.elf.com!rpi!@ihnp4.ucsd.edu  
Subject: Kenwood DSP-100 Info  
To: info-hams@ucsd.edu

I am looking for any information that is available on the Kenwood DSP-100 for the TS-450/690. I purchased one used and would like to compare notes with someone else who has used one as to whether or not the results I am seeing/not seeing represent the normal operation of the unit. Post in the newsgroup so that others can learn as well.

73...Jeff  
jeffr@sa-htn.valmet.com

-----  
Date: Wed, 17 Aug 94 11:37:34 -0500  
From: news.delphi.com!usenet@uunet.uu.net  
Subject: QRP IOTA STATION...repost  
To: info-hams@ucsd.edu

this message was posted to me by Harry White, N1QVE  
He may still be working these freq's, as i tried to post this  
last week and it did not work.

Subj: QRP ops from the Canadian Maritimes

I'll be running a HF QRP station from the following IOTA sites from 11 August through 19 August at various times from 2000Z - 0400Z, and I will try to be on station precisely at 2000Z, 2200Z, and 0000Z nightly.

NA-014 Deer Island - New Brunswick  
NA-010 Cape Breton Island (our destination)  
NA-029 Prince Edward Island

Frequencies will be 14.060 CW and 14.260/14.258 SSB. Rig h also be on 40M SSB Mobile QRP at 7.290 or thereabouts +/- QRM from Tuesday 9 August thru Sat. 20 August.

73 de N1QVE/VE1 - Harry

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Date: 15 Aug 1994 15:52:34 -0700  
From: ihnp4.ucsd.edu!news.cerf.net!mvp.saic.com!bethel.connected.com!  
hebron.connected.com!not-for-mail@network.ucsd.edu  
Subject: Radio & Intl Travel  
To: info-hams@ucsd.edu

>I have a question for anyone who has traveled internationally with any of  
>your 'toys' or radio gear. Did you find Airport Security to be a problem  
>in the Destination country ???

> In Germany, I did have a bit of a problem with some radio gear..  
>not getting into the country via Frankfurt-Hamburg, But leaving Through  
>Stuttgart I had a devil of a time going through the passenger screening  
>point because I was carrying a radio clipped to my belt. I also had a  
>shortwave rig in my briefcase as well as a list of airport and airline  
>frequencies. JOHN/PHX

John:

I have traveled with a portable shortwave radio for over 10 years  
Internationally without any real problems. Infact I once lugged my ICOM  
R71A to Fiji (stupid move...I used it once in 3 weeks). Here is my advice:  
Never offer any information or explanation without being asked first.  
When asked, make your answers short and simple w/o any tech mumbo jumbo.  
Don't try to hide anything or be conspicuous (like on your belt).  
Remember, customs officals have all day to do their jobs and sometimes  
just like to excersize their authority. I have no experience in taking  
ham gear overseas so I can't help you there.

Ken

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Date: 16 Aug 1994 23:37:08 -0400  
From: ihnp4.ucsd.edu!dog.ee.lbl.gov!agate!howland.reston.ans.net!  
usenet.ins.cwru.edu!eff!news.duke.edu!solaris.cc.vt.edu!swiss.ans.net!  
newstf01.cr1.aol.com!search01.news.aol.com!@network.  
Subject: Recommendations for Hamfest  
To: info-hams@ucsd.edu

I have some frequent-flyer freebies that I have to use up by the end of  
the year on America West.



Anyone recommend any hamfests to go to? I mostly look for test equipment and parts.

Looking for one close to a major metro area (don't want to drive four hours from the airport), and that's a single day affair. Also, it has to be where the airline flies (which is most places except Dixie).

Thanks in advance for your input,  
scott nx7u@aol.com

-----  
Date: 17 Aug 94 22:12:51 GMT  
From: news-mail-gateway@ucsd.edu  
Subject: Request e-mail information  
To: info-hams@ucsd.edu

Please send me more information abl

Please send me more information abl  
Please send me more information abl  
Please send me more information about your news group

-----  
Date: 15 Aug 1994 13:13:48 -0600  
From: ihnp4.ucsd.edu!ucsnews!newshub.sdsu.edu!nic-nac.CSU.net!usc!  
howland.reston.ans.net!gatech!newsxfer.itd.umich.edu!jobone!lynx.unm.edu!  
polaris.unm.edu!not-for-mail@network.ucsd.edu  
Subject: RTTY in V31...  
To: info-hams@ucsd.edu

AE0Q (V31RY) is going to San Pedro, Belize Dec 28-Jan 9 to operate the ARRL RTTY Roundup Contest. He's got a TS 450, a laptop and will be with AA0KL and WN0B. He's looking for another op... If u're interested please send him a message at AE0Q@N0QCU.#NECO.CO

He is NOT QRV Internet

73 de F5JTL/WX3W

-----  
Date: Mon, 15 Aug 1994 20:28:36 GMT  
From: portal.com!sdd.hp.com!col.hp.com!srngenprp!alanb@decwrl.dec.com  
Subject: Slow Code idea by Wayne  
To: info-hams@ucsd.edu

Len Winkler (lenwink@indirect.com) wrote:

: Wayne Green, publisher of 73 Magazine, said on the Ham Radio & More  
: show, 8/14/94, that we should have only 1 class of amateur license. It  
: should require 5 wpm code knowledge and more theory than is tested  
: now.

The problem is that the tougher theory test just won't happen. It is much more politically palatable to make exams easier. The no-code Technician is a good example: not only was the code test deleted but the written test was actually made simpler. (In the old days, the Tech and General written exams were the same.)

AL N1AL

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Date: Tue, 16 Aug 1994 17:54:35 +0000  
From: ihnp4.ucsd.edu!agate!howland.reston.ans.net!pipex!demon!llondel.demon.co.uk!  
dave@network.ucsd.edu  
Subject: TNC construction article  
To: info-hams@ucsd.edu

In article <22449.BSoranno@vax2.winona.msus.edu> <BSoranno@vax2.winona.msus.edu>  
writes:

>Does anybody know of a construction article for a "general purpose" TNC?

>

>These are my requirements:

>1) Standard serial connection. (I have 4 different computers and would like  
> to be able to connect to all).

>

>2) An internal processor of some type to minimize the overhead on the  
> computer.

>

I know of five TNC2 clone designs available in the UK, or you could ask TAPR if they still do one themselves. By using one you have the advantage of being able to run all sorts of different bits of software depending on your current fancy. Be careful about which modem chip a particular design uses though, because it appears that the 7910 is being discontinued.

Dave

--

\*\*\*\*\*  
\* G4WRW @ GB7WRW.#41.GBR.EU AX25 \*  
\* dave@llondel.demon.co.uk Internet \* Stop the World! I want to get off! \*  
\* g4wrw@g4wrw.ampr.org Amprnet \*  
\*\*\*\*\*

-----  
Date: 17 Aug 94 03:56:05 GMT  
From: ihnp4.ucsd.edu!agate!howland.reston.ans.net!EU.net!sunic!trane.uninett.no!  
ifi.uio.no!wabbit.cc.uow.edu.au!metro!grivel!metz.une.edu.au!  
ddavidso@network.ucsd.edu  
Subject: VK2WI Weekly News, 31st January, 1994  
To: info-hams@ucsd.edu

In article <31koq6\$rq4@eram.esi.com.au> dave@eram.esi.com.au (Dave Horsfall)  
writes:

>  
> PRESIDENT'S REPORT

[Braodcast notes deleted]

Hey Dave!

Is this really 7 months old? Was the City to Surf run in February?

I think the date in the Subject line is wrong :-)

Dean

--

Dean Davidson	ddavidso@metz.une.edu.au
Dept Psychology	Phone 61 67 73 2585
University of New England	Fax 61 67 72 9816
Armidale NSW 2351 Australia	VK2 ZID

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Date: 15 Aug 1994 20:12:45 GMT  
From: ihnp4.ucsd.edu!news.cerf.net!gopher.sdsc.edu!nic-nac.CSU.net!  
charnel.ecst.csuchico.edu!yeshua.marcam.com!news.kei.com!ssd.intel.com!chnews!  
ornews.intel.com!ornews!chennu@network.ucsd.edu  
Subject: Yaesu FT-530 vs Icom W21AT - opinions  
To: info-hams@ucsd.edu

Hi,  
As the subject says I am considering purchasing a dual-bander HT.  
I would like to get the opinions of those who have used them.  
Any recommendations would hbe welcome too.  
HRO has the Yaesu for 449.95 & the Icom for 434.95

Thanks  
Srinivas

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Srinivas Chennupati

chennu@ichips.intel.com  
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Date: 16 Aug 94 02:17:08 -0500

From: ihnp4.ucsd.edu!ucsnews!sol.ctr.columbia.edu!newsxfer.itd.umich.edu!

zip.eecs.umich.edu!umn.edu!newsdist.tc.umn.edu!msus1.msus.edu!

vax1.mankato.msus.edu!dj1@network.ucsd.edu

To: info-hams@ucsd.edu

References <474@ted.win.net><3217kv\$ood@crl.crl.com>, <490@ted.win.net>,  
<32p4qg\$erc@crl.crl.com>sdis

Subject : Re: 2m/11m crossband QSO: legal?

In article <32p4qg\$erc@crl.crl.com>, chdaley@crl.com (Charles A Daley) writes:

> Michael Silva (mjsilva@ted.win.net) wrote:

> :

> : In article <3217kv\$ood@crl.crl.com>, Charles A Daley (chdaley@crl.com) writes:

> : >Michael Silva (mjsilva@ted.win.net) wrote:

> : >:

> : >: In article <linleyCu5EMp.9sG@netcom.com>, Bruce James Robert Linley  
(linley@netcom.com) writes:

> : >: >I have a rather odd question to ask. When me and my dad go camping, we

> : >: >use CBs to communicate (my dad is not a ham)- one in the truck and a

> : >: >handheld. The problem is that the handheld just can't get a good signal

> : >: >out in certain areas due to it's inherently small antenna. I can hear

> : >: >the truck's CB just fine on the handheld anywhere in the camping area.

> : >: >Would it be possible for me to talk to my dad through a local 2m

> : >: >repeater (he could receive me on a scanner), and my dad to communicate

> : >: >back on the CB? Is either communication considered a "one-way" trans-

> : >: >mission? I've already talked to the 2m repeater owner and he has no

> : >: >objections to this particular use of his repeater. Any Part97/Part95

> : >: >prohibitions to cross-service QSOs? Thanks.

> : >: >

> : >: Sorry, can't be done. Look at Part 97.111, and you'll see that you can

> : >: only communicate with other amateurs (except for emergency

> : >: communications). The repeater owner, by consenting to this use of his

> : >: repeater, is putting his license on the line. Go back and educate him.

> : >

> : >Just for the sake of discussion, how is this vastly different from

> : >calling someone on an autopatch?

> : >

> : First note that the language of 97.111 actually speaks of "amateur

> : stations", not "amateurs". The way it's been explained to me is that

> : this is considered a communication between the amateur station

> : autopatching and the repeater, controlled by the control op, who is  
> : allowing third party traffic over "his" station via the autopatch. I've  
> : heard that some repeaters turn off their autopatch late at night when  
> : all the control ops are in bed to stick more closely to the letter of  
> : the law (and to prevent mischief in general).

>

> : I'm sure others will have more to add to my answer.

>

> : Mike, KK6GM

> :

>

> Then again, just for the sake of discussion...

>

> This suggests that if the repeater in question had a link to 11 meters  
> (perish the thought...:) ) then all would be okay??? The one-way  
> transmissions would be gone and the repeater would complete the  
> requirement for an amateur station.

>

> Just thought I'd toss that in for thought.

>

> Chuck Daley

> KD4LXQ

>

>

Hello..... this would NOT BE LEGAL either, as you cannot cross Amateur radio  
with another radio service. My grandfather looked into this when he was  
setting up 6 gig links and had extra room. He asked a FCC official about using  
the 6 Gig links to connect amateur stations that the above response is what he  
got.

Sean Stepanek

N0PBA

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End of Info-Hams Digest V94 #927

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